

Syllabus for GEOL 490 Field Camp II -- Summer Session 2021

Instructors: Dr. Erika Rader

TAs:

Schedule:

Each day, we will meet at the vans at 8:00 am every morning and return by 5:00 pm each evening, unless otherwise announced. Plans may change at a moment's notice and are weather dependent. Lateness in the morning will seriously compromise the moral of the staff and will result in prompt leaving of the vans every day.

The instructor and TAs are available all day to help you in the field and will employ several different tactics to encourage your growth as a field geologist. If you see an instructor or TA while mapping, please wave us over if you need assistance. It is easier for us to help you in the field where we can check your map rather than after the fact—field geology is best accomplished in the field. You may request a TA accompany you to a particular spot in the morning. Finally, the instructors are generally available after dinner for discussions as well. Mandatory class meetings will also be held right after dinner from time to time, and will be announced.

Goal:

The primary goal of GEOL 490/408 is to improve your abilities to observe, describe, and interpret geological relationships in the field. This course will draw on your collective classroom experiences from physical geology, geomorphology, sedimentology, stratigraphy, structural geology, and igneous/metamorphic petrology. Ultimately, you will integrate these skills to solve geologic problems in the field. This course will focus on integrating the disparate parts of your geological education in order for you to develop the framework with which to problem-solve, synthesize, and draw conclusions from variable datasets and observations.

Grading:

Grades will be based on:

100 points Craters of the Moon

100 points Timber Hill

100 points Badger Pass

100 points Rochester

200 points Block Mountain

100 final exam

Total: 700 points

Failure to complete any assignment will result in a failed grade.

Final grades: A ($\geq 90\%$), B (80%), C (70%), although we may adjust the grade boundaries

downward, depending on how the numerical scaling works.

WSU students: + and – grades will be ± 3 pts from the middle of the range.

Help and Collaboration vs. Plagiarism

You need to ask the instructors for advice when you are having trouble; they always have suggestions about how to proceed. If you are having problems of any nature, please talk to Erika, or a TA and they will try to help.

Collaboration in the form of discussion, sharing ideas, and helping one another is encouraged; you will learn more the more you talk about the geology. Given this open environment, do understand that **what you turn in must be your own work**: each student will make, record, and turn in only his/her observations, and this will be strictly enforced. Each student will collect her/his locations, contacts, rock descriptions, and structural data. You will be working with a partner on many projects: partners are responsible for each other's safety, and should always be within 100 m and in eyesight of each other.

Copying another's work, taking materials off the web or from a published paper, allowing your work to be copied or using or possessing answer keys (e.g., from other groups) are all forms of cheating. At the least, cheating will be penalized with a 0 for that project; at most expulsion from the class.

Meals:

Breakfast is served in the Dining Hall at a specific range for our group. You must go at that time. Make your sack lunch at breakfast. Dinner is served in a similar manner. Do not take food from the Dining Hall, other than your lunch.

GENERAL POLICIES:

1. Failure to follow course guidelines and instructions can result in reduction of your grade or removal from the course.
2. Do not do anything to embarrass yourself or your university, or that takes advantage of the good nature of the instructors. *You are a guest at UMW.* Other universities' behavior and rules have no bearing on our program.
3. Your safety, the safety of others, and respectful treatment of property are the highest priority in this class. If you feel a situation has developed that may adversely affect your health, safety, or the condition of property please inform Rader or a TA immediately so action can be taken to mitigate the problem.
4. No firearms, weapons, or illegal drugs are permitted at field camp. If in doubt, ask or leave it at home. No smoking or alcohol consumption during the day. Penalty is expulsion. If you appear to be impaired in any way in the morning, you will not be taken into the field on that day, and your grade will take that into account.
5. You are free to do what you want when class activities are finished, but act responsibly. Do things with at least one friend [e.g., trips into town] and *make sure* someone in our group knows where you are going and when you should be back.
8. Any problems that develop should be brought to Rader's attention as soon as possible so they can be dealt with before they become more serious.

Procedures for University Vehicles:

1. Use of the vehicles must always be cleared with an instructor.
2. Vehicles may only be driven by drivers who have been approved by the University.
3. WSU students may not ride in the UI van. UI students may ride in the WSU vehicles.
4. Always operate the vehicle in a legal and safe manner. If you have concerns or feel unsafe about the way a vehicle is being driven, ask the driver to correct the problem immediately and report the incident to an instructor.
5. ***Everyone must wear seat belts when underway.***
6. ***Always obey speed limits.***
7. Drivers are not to talk on cell phones or radios when under way. Have your co-pilot handle communications.
8. Consumption of alcohol in or near the vehicles is absolutely forbidden. Drivers must not have consumed alcohol or be impaired in any way that could possibly affect the safe operation of the vehicle.
9. Clean and maintain the vehicles regularly and treat them with care. We must return them in good condition.
10. In the event of damage to a vehicle or an accident, carefully follow the instructions on the sheet in the glove box and make sure you fill out all the required information on the accident report form.

Rules for the UMW Dormitories:

1. No smoking on campus. You need to go to the street to smoke.
2. All individuals will abide by Montana law, federal law and University regulations regarding intoxicants, narcotics and drugs. ***Alcohol is not allowed on the University of Montana Western campus.***
3. Attaching any object to any University premise by nail, screw, glue or alteration of the premises in any manner whatsoever is prohibited. Removal of windows or screens is not allowed.
4. Tampering with the fire system or fire fighting equipment is not allowed.
5. Don't move furniture to or from your room or to or from the lounges.

HAVE FUN!!